A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61B18/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC $\frac{7}{618}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/082587 A1 (NODA WAYNE) 27 June 2002 (2002-06-27) paragraphs '0040!,'0049!,'0055!; claims 1-6	1-7
X	US 2002/058933 A1 (CHRISTOPHERSON MARK A ET AL) 16 May 2002 (2002-05-16) paragraph '0085!	1-30
X	US 5 249 585 A (TURNER PAUL F ET AL) 5 October 1993 (1993-10-05) column 6, line 39 - line 57; figure 1	1-30
X	US 6 620 189 B1 (BLOOM NICOLE DENISE ET AL) 16 September 2003 (2003-09-16) column 5, line 29 - line 35	1-7

Patent family members are listed in annex.
 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of mailing of the international search report 17/06/2004
Authorized officer Mayer-Martenson, E

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	US 6 440 157 B1 (BERAN ANTHONY V ET AL) 27 August 2002 (2002-08-27) column 6, line 41 - line 57	1-7
·		

primation on patent family member	ormation o	n patent	family	membe
-----------------------------------	------------	----------	--------	-------

PCTYUS	03/33832
--------	----------

						- 00002
Patent document cited in search report		Publication date		Patent family member(s)	•	Publication date
US 2002082587	A1	27-06-2002	US	2003114835	A1	19-06-2003
			ΑU	3250202	A	24-06-2002
			WO	0247742		20-06-2002
			US	2002077680	A1 .	20-06-2002
US 2002058933	A1	16-05-2002	US	6409722		25-06-2002
			WO	03047446		12-06-2003
		•	US	2003073989		17-04-2003
			บร	2004092926		13-05-2004
		~	US	2002151884	A1	17-10-2002
US 5249585	Α	05-10-1993	US	4967765		06-11-1990
			AU	9027191		26-05-1992
			CA	2095516		06-05-1992
			EP	0556284		25-08-1993
			JP	6501410		17-02-1994
			WO	9207621		14-05-1992
			EP	0462302		27-12-1991
			US	5220927		22-06-1993
			US 	5344435 	A	06-09-1994
US 6620189	B1	16-09-2003	US	6673098		06-01-2004
			AU	8292701		05-02-2002
			CA	2416931		31-01-2002
			EP	1301151		16-04-2003
			JP		T	12-02-2004
			MO	0207793		31-01-2002
			US	2004050154		18-03-2004
			US	2004039431		26-02-2004
			AU	3843401		12-09-2001
			CA	2401222		07-09-2001
			EP	1259204		27-11-2002
			JP		T	19-08-2003
			MO	0164146		07-09-2001
			US	2004024437		05-02-2004
			US 	2003135252		17-07-2003
US 6440157	B1	27-08-2002	CA	2348707	A1	23-11-2002
US 044015/	-	-: 00 L00L	US	6143020		07-11-2000